



#5

OIPE

## RAW SEQUENCE LISTING

DATE: 04/16/2002

PATENT APPLICATION: US/10/038,717A

TIME: 13:46:08

Input Set : N:\Crf3\03142002\J038717.raw

Output Set: N:\CRF3\04162002\J038717A.raw

1 <110> APPLICANT: HITACHI, LTD.  
2 <120> TITLE OF INVENTION: Method of DNA Sequencing, Reagent Kit for DNA Sequencing and Apparatus for  
3 DNA Sequencing  
4 <130> FILE REFERENCE: NT01P0333  
5 <140> CURRENT APPLICATION NUMBER: US/10/038,717A  
6 <141> CURRENT FILING DATE: 2002-03-07  
7 <160> NUMBER OF SEQ ID NOS: 12  
9 <210> SEQ ID NO: 1  
10 <211> LENGTH: 105  
11 <212> TYPE: DNA  
12 <213> ORGANISM: Artificial Sequence  
13 <220> FEATURE:  
14 <223> OTHER INFORMATION: Template DNA originating from M13mp18  
15 <400> SEQUENCE: 1  
16 acaggaaaca gctatgacca tgattacgaa ttcgagctcg gtacccgggg atcctctaga 60  
17 gtcgacctgc aggcattgcaa gcttggcact ggccgtcgtt ttaca 105  
19 <210> SEQ ID NO: 2  
20 <211> LENGTH: 17  
21 <212> TYPE: DNA  
22 <213> ORGANISM: Artificial Sequence  
23 <220> FEATURE:  
24 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 88 and  
105 of SEQ ID  
25 NO:1, but the base replaced C at 15 of this DNA primer by G for introducing a  
26 mismatch between DNA primer  
27 and template  
28 <223> OTHER INFORMATION: DNA, and DNA primer being able to be extended  
W--> 29 <400> 2  
30 tgtaaaacga cggcgag 17  
32 <210> SEQ ID NO: 3  
33 <211> LENGTH: 17  
34 <212> TYPE: DNA  
35 <213> ORGANISM: Artificial Sequence  
36 <220> FEATURE:  
37 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 88 and  
105 of SEQ ID  
38 NO:1, but the base replaced C at 15 of this DNA primer by G for introducing a  
39 mismatch between DNA primer  
40 and template  
41 <223> OTHER INFORMATION: DNA, and DNA primer being not able to be extended  
W--> 42 <400> 3  
43 tgtaaaacga cggcgat 17  
45 <210> SEQ ID NO: 4

ENTERED

46 <211> LENGTH: 17  
47 <212> TYPE: DNA

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Output Set: N:\CRF3\04162002\J038717A.raw

48 <213> ORGANISM: Artificial Sequence  
49 <220> FEATURE:  
50 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 88 and  
105 of SEQ ID  
51 NO:1, and DNA primer being able to be extended  
52 <400> SEQUENCE: 4  
53 tgtaaaacga cggccag 17  
55 <210> SEQ ID NO: 5  
56 <211> LENGTH: 95  
57 <212> TYPE: DNA  
58 <213> ORGANISM: Artificial Sequence  
59 <220> FEATURE:  
60 <223> OTHER INFORMATION: Template DNA originating from p53 and including base sequence  
of exon 8  
61 <400> SEQUENCE: 5  
62 ctttcttgcg gagattctct tcctctgtgc gccggtctct cccaggacag gcacaaacac 60  
63 gcacctcaaa gctgttccgt cccagtagat tacca 95  
65 <210> SEQ ID NO: 6  
66 <211> LENGTH: 22  
67 <212> TYPE: DNA  
68 <213> ORGANISM: Artificial Sequence  
69 <220> FEATURE:  
70 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 55 and 76  
of SEQ ID  
71 NO:5, but the base replaced T at 19 of this DNA primer by A for introducing a  
72 mismatch between DNA primer  
73 and template  
74 <223> OTHER INFORMATION: DNA, and DNA primer being able to be extended  
W--> 75 <400> 6  
76 aacagctttg aggtgcgtga tt 22  
78 <210> SEQ ID NO: 7  
79 <211> LENGTH: 95  
80 <212> TYPE: DNA  
81 <213> ORGANISM: Artificial Sequence  
82 <220> FEATURE:  
83 <223> OTHER INFORMATION: Template DNA originating from p53 and including base sequence  
of exon 8,  
84 but the base replaced A at 55 of this template DNA by T  
85 <400> SEQUENCE: 7  
86 ctttcttgcg gagattctct tcctctgtgc gccggtctct cccaggacag gcactaacac 60  
87 gcacctcaaa gctgttccgt cccagtagat tacca 95  
89 <210> SEQ ID NO: 8  
90 <211> LENGTH: 22  
91 <212> TYPE: DNA  
92 <213> ORGANISM: Artificial Sequence  
93 <220> FEATURE:  
94 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 55 and 76  
of SEQ ID  
95 NO:7, but the base replaced T at 19 of this DNA primer by A for introducing a  
96 mismatch between DNA primer  
97 and template  
98 <223> OTHER INFORMATION: DNA, and DNA primer being able to be extended  
W--> 99 <400> 8



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Input Set : N:\Crf3\03142002\J038717.raw

Output Set: N:\CRF3\04162002\J038717A.raw

102 <210> SEQ ID NO: 9  
103 <211> LENGTH: 22  
104 <212> TYPE: DNA  
105 <213> ORGANISM: Artificial Sequence  
106 <220> FEATURE:  
107 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 55 and  
76 of SEQ ID  
108 NO:5 and 7, but the base replaced T at 19 of this DNA primer by A for  
109 introducing a mismatch between DNA  
110 primer and  
111 <223> OTHER INFORMATION: template DNA, and this DNA primer being not able to be  
extended  
W--> 112 <400> 9  
113 aacagctttg aggtgcgtga tc 22  
115 <210> SEQ ID NO: 10  
116 <211> LENGTH: 22  
117 <212> TYPE: DNA  
118 <213> ORGANISM: Artificial Sequence  
119 <220> FEATURE:  
120 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 55 and  
76 of SEQ ID  
121 NO:5 and 7, but the base replaced T at 19 of this DNA primer by A for  
122 introducing a mismatch between DNA  
123 primer and  
124 <223> OTHER INFORMATION: template DNA, and this DNA primer being not able to be  
extended  
W--> 125 <400> 10  
126 aacagctttg aggtgcgtga tg 22  
128 <210> SEQ ID NO: 11  
129 <211> LENGTH: 63  
130 <212> TYPE: DNA  
131 <213> ORGANISM: Artificial Sequence  
132 <220> FEATURE:  
133 <223> OTHER INFORMATION: Template DNA originating from p53 and including base  
sequence of exon 8  
134 <400> SEQUENCE: 11  
135 gtggtaatct actgggacgg aacagctttg aggtgcgtgt ttgtgcctgt cctgggagag 60  
136 acc 63  
138 <210> SEQ ID NO: 12  
139 <211> LENGTH: 20  
140 <212> TYPE: DNA  
141 <213> ORGANISM: Artificial Sequence  
142 <220> FEATURE:  
143 <223> OTHER INFORMATION: DNA primer complementary with base sequence between 44 and  
63 of SEQ ID  
144 NO:11, and DNA primer being able to be extended  
145 <400> SEQUENCE: 12  
146 ggtctctccc aggacaggca 20

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/038,717A

DATE: 04/16/2002  
TIME: 13:46:09

Input Set : N:\Crf3\03142002\J038717.raw  
Output Set: N:\CRF3\04162002\J038717A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2  
Seq#:2; Line(s) 24,25  
Seq#:3; Line(s) 37,38  
Seq#:4; Line(s) 50  
Seq#:5; Line(s) 60  
Seq#:6; Line(s) 70,71  
Seq#:7; Line(s) 83  
Seq#:8; Line(s) 94,95  
Seq#:9; Line(s) 107,111  
Seq#:10; Line(s) 120,124  
Seq#:11; Line(s) 133  
Seq#:12; Line(s) 143

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/038,717A

DATE: 04/16/2002

TIME: 13:46:09

Input Set : N:\Crf3\03142002\J038717.raw

Output Set: N:\CRF3\04162002\J038717A.raw

L:29 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2  
L:42 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3  
L:75 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6  
L:99 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8  
L:112 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9  
L:125 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10

STATISTICS SUMMARY

PATENT APPLICATION: US/10/038,717A

DATE: 04/16/2002

TIME: 13:46:09

Input Set : N:\Crf3\03142002\J038717.raw  
Output Set: N:\CRF3\04162002\J038717A.raw

Application Serial Number: US/10/038,717A

Alpha or Numeric: Numeric

Application Class:

Application File Date: 03-07-2002

Art Unit: OIPE

Software Application:

Total Number of Sequences: 12

Total Nucleotides: 517

Total Amino Acids: 0

Number of Errors: 0

Number of Warnings: 6

Number of Corrections: 0

MESSAGE SUMMARY

258 W: 6 (Mandatory Feature missing)